



# smith auto



*Professional Technician's  
Seminar Series*

## PTS32: Advanced O2 and Fuel Trim Diagnosis

- This new one night class will focus on the latest developments in O2 sensor design and help to streamline the diagnosis of fuel trim codes.
- The procedures are based on field tested techniques using tools that are readily available.
- This approach gives you **more than just book specifications**, (which are frequently wrong) but real numbers **based on actual on the car diagnosis**.

### *Here's what's included:*

- Complete Fuel Trim and O2 sensor analysis, including sensor and code testing
- Wide Range AF sensor testing
- Fuel Trim strategies
- DTC diagnosis
- Common failures, tips, and bulletins
- Waveform and data graph analysis
- A workbook containing the test techniques

### *These Tech Line questions will be answered:*

- This car failed the emissions test. It is running rich but it has a new O2 sensor in it. What should I do now?
- The O2 sensor on this car reads 3 volts! I ordered another one but the connector does not match. What is wrong?
- There is a heater code on this sensor. How do I know if the PCM is OK?
- How can an oil leak ruin a new O2 sensor?
- This car has a misfire code and a system lean code. Did the miss make it run lean, or is it missing due to lean mixture?

**Date:** *October 22, 2007*

**Place:** *Merced High School*

**Time:** *5:38 pm until 9:58 pm*

**Cost:** *\$59.95*

For More Information Contact your Smith Auto Salesman or Call: **722-5731**